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**TO:** EXAMINER SHIN 571-272-3920  
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**FROM:** MATTHEW C. LOPPNOW (847) 523-2585  
(SENDER'S NAME) (EXTENSION)

**RE:** APPLICATION NO.: 09/575,749

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Matthew C. Loppnow

Date March 14, 2006

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

5 APPLICANT: Alberth et al.

EXAMINER: Shin, K.

SERIAL NO.: 09/575,749

GROUP: 2143

10 FILED: May 22, 2000

CASE NO.: CS10614

ENTITLED: SMART CARD WITH BACK UP

15

Motorola, Inc.  
Intellectual Property Department  
600 North U.S. Highway 45  
Libertyville, IL 60048

**APPEAL BRIEF UNDER 37 C.F.R. § 41.37**

20

MS Appeal Brief - Patents  
Commissioner for Patents  
P.O. Box 1450  
25 Alexandria, VA 22313-1450

Sir:

30

Further to the Notice of Appeal filed on January 10, 2006, Applicant submits the  
present Appeal Brief.

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**I. REAL PARTY IN INTEREST**

The real party in interest is, Motorola, Inc.

5 **II. RELATED APPEALS AND INTERFERENCES**

There are no related appeals or interferences.

**III. STATUS OF CLAIMS**

10

Claims 1-19 are pending. Claims 1-19 are rejected and are the subject of the present appeal.

**IV. STATUS OF AMENDMENTS**

15

No amendments were filed subsequent to final rejection.

**V. SUMMARY OF CLAIMED SUBJECT MATTER**

20

The inventions are drawn generally to a method and apparatus for securely storing data in a personal data security device commonly known as a smart card (page 1, lines 4-6, Fig. 1, element 100). An additional layer of security is provided to the smart card (100) in the form of a second part (112), such as an enabling key, of the smart card, which when coupled to a first part (102) of the smart card, enables the processor on the smart card to access and change  
25 stored information and to grant access to a third device to stored information. If the second part (112) is not accessible to the first part (102), the smart card function remains disabled (page 2, lines 10-14 and page 5, lines 19-22).

25

**VI. GROUNDS OF REJECTION TO BE REVIEWED ON APPEAL**

30

Whether claims 1-17 are allowable under 35 U.S.C. § 103 over Storck et al. (U.S. Patent No. 5,434,395), Kawan et al. (U.S. Patent No. 6,289,324), and Kramer et al. (U.S. Patent No. 6,324,525).

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Whether claims 18 and 19 are allowable under 35 U.S.C. § 103 over Storck et al. and Kawan et al.

5       **VII. ARGUMENT**

Claim Limitations At Issue

The limitations at issue in claims 1, 8, 14, and 18 are italicized below:

10

1.       A personal data storage apparatus comprised of:
  - a.       a first personal data storage device including a memory device storing:
    - i.       a first set of user data;
    - ii.      a first encryption key for encrypting at least part of said first set

15

of user data;

- b.       *a first interface circuit coupled to said memory device granting conditional access to a third device to data therein using an appropriate data exchange protocol between the first personal data storage device and the third device only when a second personal data storage device is operatively coupled to said first personal data storage device; and*

20

- c.       a second interface circuit coupled to said memory device and providing communications access to the second personal data storage device.

25

8.       A personal data storage apparatus comprised of:
  - a.       a first personal data storage device comprising:
    - i.       a first memory device storing:
      1.       a first set of user data;
      2.       a first encryption key for encrypting at least part said

first set of user data;

30

- ii.      *a first interface circuit coupled to said memory device granting conditional access to data therein using a predetermined protocol and only when a second personal data storage device is operatively coupled to said first personal data storage device;*

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iii. a second interface circuit coupled to said memory device and providing access to a second personal data storage device;

b. a second personal data storage device coupled to said first personal data storage device and being comprised of:

5 i. a second memory device storing:

1. *a substantially duplicate copy of said first set of user data;*

c. a second encryption key for encrypting at least part said first set of user data;

10 ii. *a second interface circuit coupled to said memory device granting conditional access to data therein using a predetermined protocol and only when said second personal data storage device is operatively coupled to said first personal data storage device;*

15 *whereby user data in either said first or second personal data storage device is accessible and usable only when said first and second personal data storage devices are in communication with each other.*

14. A method of securing access to data stored in a personal data storage device comprised of the steps of:

20 a. storing personal data in first and second data storage devices that are capable of being operably coupled to each other;

b. encrypting said personal data in a first data storage device using a first encryption key and encrypting it in said second data storage device using a second encryption key;

25 c. *granting access to a third device to said personal data in either said first data storage device or said second data storage device only when said first and second data storage devices are operatively coupled together.*

18. A method of securing access to data stored in a personal data storage device comprised of the steps of:

30 a. storing personal data in a smart card and an enabling key device that are capable of being operably coupled to each other;

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b. encrypting said personal data in the smart card using a first encryption key and encrypting said personal data in the enabling key device using a second encryption key; and

c. *prohibiting a transaction between the smart card and another device unless the smart card and the enabling key device are operatively coupled together.*

#### Applicants' Argument

Applicants assert the cited references do not disclose the features recited in independent claims 1, 8, 14, and 18.

To establish a *prima facie* case of obviousness, three basic criteria must be met. First, there must be some suggestion or motivation, either in the reference or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine the reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art references, when combined, must teach or suggest all of the claim limitations. The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, and not based on applicant's disclosure (MPEP 2142). The prior art must suggest the desirability of the claimed invention (MPEP 2143.01).

Storck et al. uses an interfacing circuit that controls data transfer between one data carrier and another data carrier when the data carriers are identified as compatible (Abstract). Storck does not disclose a three party transaction between multiple devices and such is even admitted by the original Office Action. The Office Action only alleges Kramer discloses a three party transaction, a first interface circuit coupled to a memory device granting conditional access to a third device to data therein using an appropriate data exchange protocol between a first personal data storage device and a third device.

Unfortunately, neither Storck nor Kramer disclose or suggest granting access to a third device to personal data therein only when a second data storage device is operatively coupled to a first data storage device. Such a feature is not disclosed in either reference. In fact, such a feature is not even alleged by the Office Action. Thus, the Office Action had failed to make a *prima facie* case of obviousness.

Furthermore, the Office Action alleges it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Storck... to employ Kramer in order to enable optimum and secure two party and three party electronic transactions.

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Applicants disagree. The Office Action has not provided proper motivation to combine the references. In particular, Kramer does not provide motivation to combine its disclosed settlement of aggregated electronic transactions over a network with Storck's disclosed method and device for effecting a transaction between a first and at least one second data carrier. There is no disclosure in the references of how the teachings of Kramer's electronic transactions would be useful in combination with the teachings of Storck's data transfer between cards.

As evidence of the lack of motivation, Applicants assert that the teachings of Kramer are not combinable with the teachings of Storck because they relate to different procedures. In particular, the "transaction" disclosed by Kramer is not the "transaction" disclosed by Storck. Kramer deals with transactions that relate to secure, electronic payment in change for goods and services purchases over a communication network (col. 1, lines 26-29). For example, Kramer discloses such transactions are those that can dispense some form of economic value, such as on-line payments and cashless payment transactions (col. 2, lines 23-28).

Storck deals with a different kind of "transaction." In particular, Storck expressly discloses that "transactions" are the transferring of data from one card to another (col. 11, lines 34-38 and 52-56 and col. 1, lines 9-20). Copying data from one card to another is not a payment transaction. In particular, Storck involves copying data from a "master" card to a "virgin" card (col. 11, lines 34-60). This is a different kind of transaction from the electronic payments disclosed in Kramer. Thus, the teachings of Kramer are not combinable with the teachings of Storck because they relate to different procedures.

Applicants also assert that none of the cited references disclose or suggest user data in either a first or second personal data storage device is accessible and usable only when the first and second personal data storage devices are in communication with each other, as recited in independent claim 8.

The Office Action alleges Storck discloses data in either of first or second personal data storage device is accessible and usable only when first and second personal data storage devices are in communication with each other at col. 12, lines 45-48. Applicants disagree. In particular, the cited section states, "It is also possible to divide up an authorization level between two or several slave cards which will then need to be used in a complimentary manner or simultaneously." Applicants assert this does not disclose data in either of first or second personal data storage device is accessible and usable only when first and second personal data storage devices are in communication with each other. In particular, the



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statement of using two cards simultaneously does not disclose that the cards are in communication with each other. For example, the cards can be used simultaneously by using each card in communication with a separate device (which is not disclosed) without the cards being in communication with each other. In fact, there is no disclosure that this results in the cards being in communication with each other. Thus, the cited section does not disclose data in either of first or second personal data storage device is accessible and usable only when first and second personal data storage devices are in communication with each other.

In fact, the cited section does not disclose data is accessible when devices are in communication with each other. The cited section only discloses an authorization level is divided up between two or several slave cards that need to be used in a complimentary manner or simultaneously. This is not the disclosure that data is accessible. In fact, there is no disclosure of what is authorized when two or several slave cards are used together. Thus, the cited section does not disclose data is accessible when cards are in communication with each other.

Furthermore, "simultaneously" only describes slave cards being used at the same time. It is not the disclosure of a two data storage devices being operatively coupled together. Using two devices in a complementary manner is not the disclosure of a two data storage devices being operatively coupled together. To the contrary, applicants are positively claiming only granting access to data only when two devices are operatively coupled together and such is not disclosed by Storck et al.

The Office Action then states Storck does not disclose three party transactions and alleges Kramer discloses a three party transaction, a first interface circuit coupled to a memory device granting conditional access to a third device to data therein using an appropriate data exchange protocol between a first personal data storage device and a third device.

Initially, Applicants would like to point out that three party transactions are not claimed in claim 8. Furthermore, as discussed above, neither Storck nor Kramer disclose or suggest granting access to data only when a second data storage device is operatively coupled to a first data storage device. Such a feature is not disclosed in either reference. In fact, such a feature is not even alleged by the Office Action. Thus, the Office Action has failed to make a *prima facie* case of obviousness.

The Office Action also alleges it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Storck... to employ Kramer in order to enable optimum and secure two party and three party electronic transactions. Applicants

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disagree. The Office Action has not provided proper motivation to combine the references. In particular, Kramer does not provide motivation to combine its disclosed settlement of aggregated electronic transactions over a network with the method and device disclosed in Storck for effecting a transaction between a first and at least one second data carrier. There is  
5 no disclosure in the references of how the teachings of Kramer would be useful in combination with the teachings of Storck and the Office Action has not provided a proper basis for such usefulness.

Applicants also assert that none of the cited references disclose or suggest prohibiting a transaction between the smart card and another device unless the smart card and the enabling  
10 key device are operatively coupled together, as recited in independent claim 18.

The Office Action alleges that Storck discloses at col. 12, lines 45-48 "prohibiting a transaction between the smart card and another device unless the smart card and the enabling key device are operatively coupled together." Applicants disagree and traverse the Office Action's mischaracterization of the Storck reference. Col. 12, lines 45-48 expressly disclose,  
15 "It is also possible to divide up an authorization level between two or several slave cards which will then need to be used in a complimentary manner or simultaneously." This is not the disclosure of prohibiting a transaction between a smart card and another device unless the smart card and the enabling key device are operatively coupled together. In fact, there is no disclosure of what the divided authorization is used for. Furthermore, this is not the  
20 disclosure of operatively coupling cards together. In an earlier section, the Office Action alleges complementary means two cards must operate together to complete authorization. However, this does not result in the two cards being operatively coupled together. For example, the cards may be separately coupled to another device in a complementary manner.

Thus, the cited section does not disclose prohibiting a transaction between the smart  
25 card and another device unless the smart card and the enabling key device are operatively coupled together, as recited in independent claim 18.

Furthermore, Storck et al. expressly discloses that a user can carry out any data processing operation in combination with one or several microcircuit cards (col. 13, lines 40-43). This is the exact opposite of the claimed granting access to data only when a second  
30 device is operatively coupled to the first device or prohibiting a transaction between a smart card and another device unless the smart card and an enabling key device are operatively coupled together. In particular, this expressly illustrates that access is granted to the device in Fig. 4 to data in a first device, such as one microcircuit card, without the presence of a second

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device, a second microcircuit card. This illustrates how Storck et al. clearly does not disclose granting access to data in a memory of a first device only when a second personal data storage device is operatively coupled to the first device.

5 With respect to the final Office Action, Applicants maintain that the cited references do not disclose or suggest user data in either a first or second personal data storage device is accessible and usable only when the first and second personal data storage devices are in communication with each other, as recited in independent claim 8. Applicants further maintain that the cited references do not disclose prohibiting a transaction between the smart card and another device unless the smart card and the enabling key device are operatively  
10 coupled together, as recited in independent claim 18.

The claimed features cannot be found in any of the cited references. In fact, the one reference, Storck, cited by the Office Action as disclosing the claimed feature actually teaches away from the claimed invention. In particular, Storck clearly discloses data in a card is accessible when two devices are not in communication. More particularly, Storck expressly  
15 discloses data in a card is accessible merely by entering a personal identification number (col. 4, lines 54-58). Storck also clearly teaches the opposite of the claimed invention at col. 5, lines 64-68, which disclose "the ability of a first microcircuit card to partially allocate its authorizations, functions, and data to a second microcircuit card or, in exceptional cases, to re-assign all of its authorizations, functions, and data." Thus, the second microcircuit card  
20 receives all authorizations and functions completely without the first microcircuit card. Therefore, data is accessible and usable when the cards are not in communication.

The Office Action alleges Storck discloses data is not accessible and not usable when two specific carriers are not in communication with each other. The Office Action cites col. 4, lines 52-58 to support this allegation. However, col. 4, lines 52-58 only disclose "The  
25 invention further has the advantage of enabling a person owning or in possession of a card to read data contained therein. Obviously, this can mean that such information cannot be read until the owner has entered a personal identification number code. Any other operation carried out by the use of the card may necessitate the owner introducing said code." This cited section clearly teaches away from the claimed invention. In particular, the cited section  
30 indicates data can be accessed with the only limitation being that a personal identification number may be needed to access data. The cited section does not disclose anything about two data storage devices being in communication with each other.

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The Office Action then alleges, "In addition, the Storck prior art discloses the capability to split authorization between two cards. This requirement dictates the coupling... of two data carriers... to complete authorization and remain coupled together for operation." Applicants disagree. In particular, the Office Action had provided no foundation for this  
5 allegation and support for the allegation cannot be found in the cited references.

The Office Action then cites col. 12, lines 45-48. As discussed in the above assertions, the cited section states, "It is also possible to divide up an authorization level between two or several slave cards which will then need to be used in a complimentary manner or  
10 simultaneously." Applicants assert this does not disclose data in either of first or second personal data storage device is accessible and usable only when first and second personal data storage devices are in communication with each other. In particular, the statement of using two cards simultaneously does not disclose that the cards are in communication with each  
15 other. For example, the cards can be used simultaneously by using each card in communication with a separate device (which is not disclosed) without the cards being in communication with each other. In fact, there is no disclosure that this results in the cards being in communication with each other. Thus, the cited section does not disclose data in either of first or second personal data storage device is accessible and usable only when first and second personal data storage devices are in communication with each other.

In fact, the cited section does not disclose data is accessible when devices are in  
20 communication with each other. The cited section only discloses an authorization level is divided up between two or several slave cards that need to be used in a complimentary manner or simultaneously. This is not the disclosure that data is accessible. In fact, there is no disclosure of what is authorized when two or several slave cards are used together. Thus, the cited section does not disclose data is accessible when cards are in communication with each  
25 other.

Furthermore, "simultaneously" only describes slave cards being used at the same time. It is not the disclosure of a two data storage devices being operatively coupled together. Using two devices in a complementary manner is not the disclosure of a two data storage devices being operatively coupled together. To the contrary, applicants are positively claiming only  
30 granting access to data only when two devices are operatively coupled together and such is not disclosed by Storck et al.

The Office Action alleges, "By definition, complimentary is defined as "...  
compliment or something that completes..." Applicants disagree. In particular, Applicants

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assert the Office Action has provided no support for this definition. Thus, Applicants assert the definition cannot be used without proper support in the cited references.

5 The Office Action cites sections in the references that illustrate how card content can be copied to another card. However, these sections do not require that two cards must be in communication to allow a transaction to go forward.

Therefore, the cited references do not disclose or suggest user data in either a first or second personal data storage device is accessible and usable only when the first and second personal data storage devices are in communication with each other, as recited in independent claim 8. Additionally, the cited references do not disclose prohibiting a transaction between  
10 the smart card and another device unless the smart card and the enabling key device are operatively coupled together, as recited in independent claim 18.

Applicants also maintain that none of the cited references disclose or suggest granting access to a third device to personal data therein only when a second data storage device is operatively coupled to a first data storage device, as recited in independent claim 1 and  
15 similarly recited in independent claim 14.

The Office Action admits on page 3, 16-19 the principal objective of the prior art is to transfer data between a first and second data carrier. Thus, the objective is not to grant access to a third device only when a second data storage device is operatively coupled to a first data storage device.

20 Even so, regardless of the objective, the cited references do not disclose the claimed feature. The Office Action cites Storck, col. 5, lines 8-15. This section states, "the second data carrier can comprise a carrier which is also in the form of a plug-in microcircuit element, this second data carrier being able to receive data during a transaction only in the case where said first data carrier is authorized to send data thereto, the data actually transferred being able  
25 to be limited by defined degree of authorization." This section does not disclose granting access to a third device to personal data therein only when a second data storage device is operatively coupled to a first data storage device.

The Office Action then alleges Storck discloses, at col. 4, lines 31-34 and col. 5, line 64 - col. 6, line 9, data can be transferred between a first and second personal data storage  
30 devices coupled together for authorization and a third device for data transfer. However, these sections do not support what the Office Action is alleging. In particular, col. 4, lines 31-34 only disclose, "Yet a further object of the invention is to provide pocket-size equipment capable of carrying out, in an extremely simple manner, transactions between two or several

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microcircuit cards." This does not disclose granting access to a third device to said personal data therein only when a second data storage device is operatively coupled to a first data storage device.

5 Col. 5, line 64 - col. 6, line 9 disclose, "The term "delegation" should be taken to mean the ability of a first microcircuit card to partially allocate its authorizations, functions and data to a second microcircuit card or, in exceptional cases, to re-assign all of its authorizations, functions and data. For example, a debtor in a commercial transaction can delegate, from his card which is loaded with a certain number of tokens, part of said tokens to a creditor's card, the "value" of this second card increasing immediately by an amount equal to the sum  
10 involved and the "value" of the second card being simultaneously reduced. This second card can, in its turn, delegate a part of the sum thus transferred to a third card, and so on, instantaneous payments being made in each case without the use of cash." This also does not disclose granting access to a third device to personal data therein only when a second data storage device is operatively coupled to a first data storage device.

15 The Office Action then cites col. 12, lines 45-48. This section discloses, "It is also possible to divide up an authorization level between two or several slave cards which will then need to be used in a complementary manner or simultaneously." The statement of using two cards simultaneously is not the disclosure of granting access to a third device to said personal data therein only when a second data storage device is operatively coupled to a first data  
20 storage device. As discussed above, the cards can be used simultaneously by using each card in communication with a separate device (which is not disclosed) without the cards being operatively coupled to each other. In fact, there is no disclosure that this results in the cards being operatively coupled to each other. Thus, the cited section does not disclose granting access to a third device to said personal data therein only when a second data storage device is  
25 operatively coupled to a first data storage device. In fact, the cited section states nothing about granting access to data to a third device.

30 In section 2.3, the Office Action alleges Storck in view of Kramer discloses transactions utilizing smart card technology with three devices interconnected for the completion of transactions through network communications. The Office Action later states, "The designation of a vendor devices as one of transaction devices indicates Electronic Commerce, which is based on data transfers between devices interconnected over a communication network. The Storck prior art discloses operation in an e-commerce type environment." However, this does not provide motivation for combining the references. For

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example, if the Office Action is alleging motivation is based on the fact that the inventions can be combined because they are in the same technical field, this allegation does not amount to proper motivation. In particular, according to MPEP § 2143.01(III), "The mere fact that references can be combined or modified does not render the resultant combination obvious  
5 unless the prior art also suggests the desirability of the combination." *In re Mills*, 916 F.2d 680, 16 USPQ2d 1430 (Fed. Cir. 1990). Thus, the fact that both references allegedly mention operation in electronic commerce does not provide proper motivation for combining the references.

In section 2.4, the Office Action states that the test for obviousness is what the  
10 combined teachings of the references would have suggested to those of ordinary skill in the art. Applicants agree. Unfortunately, the Office Action still has not provided proper motivation for combining the references and has not provided evidence to support its allegations.

Thus, none of the cited references disclose or suggest granting access to a third device  
15 to said personal data therein only when a second data storage device is operatively coupled to a first data storage device, as recited in independent claim 1 and similarly recited in independent claim 14.

Therefore, Applicants respectfully submit that independent claims 1, 8, 14, and 18 and  
20 define patentable subject matter. The remaining claims depend from the independent claims and therefore also define patentable subject matter.

#### CONCLUSION

In view of the discussion above, claims 1-19 of the present application are in condition  
25 for allowance. Kindly withdraw any rejections and objections and allow this application to issue as a United States Patent without further delay.

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The Commissioner is hereby authorized to deduct the fees for filing a brief in support of an appeal and any fees arising as a result of this Appeal Brief or any other communication from or to credit any overpayments to Deposit Account No. 50-2117.

5

Respectfully submitted,



10

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15

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### VIII. CLAIMS APPENDIX

Claims involved in the appeal:

- 5                   1.     A personal data storage apparatus comprised of:
- a.     a first personal data storage device including a memory device storing:
- i.     a first set of user data;
- ii.    a first encryption key for encrypting at least part of said first set
- of user data;
- 10                   b.     a first interface circuit coupled to said memory device granting
- conditional access to a third device to data therein using an appropriate data exchange protocol
- between the first personal data storage device and the third device only when a second
- personal data storage device is operatively coupled to said first personal data storage device;
- and
- 15                   c.     a second interface circuit coupled to said memory device and providing
- communications access to the second personal data storage device.
2.     The personal data storage apparatus of claim 1 further comprised of a
- processor, operatively coupled to said memory device and to said first and second interface
- 20                   circuits.
3.     The personal data storage apparatus of claim 1 wherein said second personal
- data storage device is operatively coupled to said first personal storage device using a
- mechanical coupling.
- 25                   4.     The personal data storage apparatus of claim 3 wherein said mechanical
- coupling is a connector.
5.     The personal data storage apparatus of claim 1 wherein said second personal
- 30                   data storage device is operatively coupled to said first personal storage device using a wireless
- connection.

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6. The personal data storage apparatus of claim 5 wherein said wireless connection is a radio link.

7. The personal data storage apparatus of claim 1, where an agent of the issuer of the personal data storage apparatus can reclaim the user data from a single part of the personal data storage apparatus.

8. A personal data storage apparatus comprised of:

a. a first personal data storage device comprising:

i. a first memory device storing:

1. a first set of user data;

2. a first encryption key for encrypting at least part said

first set of user data;

ii. a first interface circuit coupled to said memory device granting

conditional access to data therein using a predetermined protocol and only when a second personal data storage device is operatively coupled to said first personal data storage device;

iii. a second interface circuit coupled to said memory device and

providing access to a second personal data storage device;

b. a second personal data storage device coupled to said first personal data

storage device and being comprised of:

i. the second memory device storing:

1. a substantially duplicate copy of said first set of user

data;

c. a second encryption key for encrypting at least part said first set of user

data;

ii. a second interface circuit coupled to said memory device

granting conditional access to data therein using a predetermined protocol and only when said second personal data storage device is operatively coupled to said first personal data storage device;

whereby user data in either said first or second personal data storage device is accessible and usable only when said first and second personal data storage devices are in communication with each other.

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9. The personal data storage apparatus of claim 8 wherein said first personal data storage device is further comprised of a processor, operatively coupled to said first memory device and to said first and second interface circuits.

10. The personal data storage apparatus of claim 9 wherein said second personal data storage device is operatively coupled to said first personal storage device using a mechanical connector.

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11. The personal data storage apparatus of claim 8 wherein said second personal data storage device is operatively coupled to said first personal storage device using a wireless connection.

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12. The personal data storage apparatus of claim 8 wherein said wireless connection is a radio link.

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13. The personal data storage apparatus of claim 8, where an agent of the issuer of the personal data storage apparatus can reclaim the user data from a single part of the personal data storage apparatus.

14. A method of securing access to data stored in a personal data storage device comprised of the steps of:

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a. storing personal data in first and second data storage devices that are capable of being operably coupled to each other;

b. encrypting said personal data in a first data storage device using a first encryption key and encrypting the data in said second data storage device using a second encryption key; and

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c. granting access to a third device to said personal data in either said first data storage device or said second data storage device only when said first and second data storage devices are operatively coupled together.

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15. The method of claim 14 wherein said step of granting access to a third device to said personal data in either said first data storage device or said second data storage device only when said first and second personal data storage devices are operatively coupled together

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is comprised of the step of granting access when said first and second personal data storage devices are coupled together through at least one of either a wireless data link or a mechanical connector.

5           16.     The method of claim 14 wherein data stored in said first storage device can be recovered from data stored in said second storage device.

          17.     The method of claim 14 wherein said first and second encryption keys are the same.

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          18.     A method of securing access to data stored in a personal data storage device comprised of the steps of:

                  a.     storing personal data in a smart card and an enabling key device that are capable of being operably coupled to each other;

15               b.     encrypting said personal data in the smart card using a first encryption key and encrypting said personal data in the enabling key device using a second encryption key; and

                  c.     prohibiting a transaction between the smart card and another device unless the smart card and the enabling key device are operatively coupled together.

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          19.     The method of claim 18, wherein said step of prohibiting a transaction between the smart card and another device unless the smart card and the enabling key device are operatively coupled together is comprised of the step of prohibiting the transaction unless the smart card and the enabling key device are coupled together through at least one of either a

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wireless data link or a mechanical connector.